

JOURNAL OF THE ROYAL STATISTICAL SOCIETY

First Issued in 1838

The annual volume consists at present of four parts, each of which contains two papers read at Meetings of the Society, with full reports of the discussions thereon ; also Miscellaneous statistical articles, Reviews of statistical and economic books, and Notes on matters of current interest to statisticians.

Among the Contents of recent and forthcoming issues are :

OUR FOOD SUPPLY, BEFORE AND AFTER THE WAR.
By A. W. FLUX, C.B., M.A.

HOUSING IN LIVERPOOL : a sample, by survey, of present conditions. By D. CARADOG JONES, M.A., and COLIN G. CLARK, B.Sc.

THE PROBLEM OF VACCINATION. By PROF. MAJOR GREENWOOD, F.R.C.P., D.Sc., F.R.S.

INTERNATIONAL COMPARISONS OF REAL WAGES.
By PROFESSOR J. H. RICHARDSON, M.A., Ph.D.



PRICE **7/6** Annual Subscription **31/-**
Each Part (Post free to any part of the world)

Obtainable through any Bookseller or direct from

THE ROYAL STATISTICAL SOCIETY

9 ADELPHI TERRACE, LONDON, W.C.2

METRON

is the only International Review of Statistics.

METRON

accepts original articles on statistical methods and on the applications of statistics to the different spheres of activity, and reviews or discussions of results obtained by statistical method in various fields of science.

CONTENTS of Vol. VIII No. 4, 1930

M. FRECHET—Sur la convergence "en probabilité."

I. O. IRWIN, M.A., M.Sc.—On the frequency distribution of the means of samples from populations of certain of Pearson's types.

L. I. DUBLIN and A. I. LOTKA—The true rate of natural increase of the United States ; Revision on Basis of recent date.

P. D. REDIADIS—The Greek national income and wealth in 1929.

METRON

is published four times a year. The four numbers making a volume of 700 to 800 pages in all.

Subscription price: 100 It. lire for complete volume, 30 It. lire for single numbers. The whole set of METRON, consisting from Vol. I to Vol. VII, can be obtained exceptionally at 700 It. lire.

Business correspondence, including subscriptions, should be addressed to :

AMMINISTRAZIONE DI "METRON"—Istituto di Statistica della
R. Università—ROMA—Via delle Terme di Diocleziano, 10

AN ORIENTAL ON VITAL STATISTICS

THE head of an Oriental town, a Mohammedan, being asked by the Government to reply to certain questions relating to his city, sent in the following paper :

Question : What is the death-rate per 1,000 in your city?

Answer : In my city it is the will of Allah that all must die; some die old, some young.

Question : What is the annual number of births?

Answer : We don't know; only God can say.

Question : Are the supplies of drinking water sufficient and of good quality?

Answer : From the remotest period no one has ever died of thirst.

Question : What is the general hygiene condition of your city?

Answer : Since Allah sent us Mohammed, his prophet, to purge the world with fire and sword, there has been great improvement. And now, my lamb of the West, cease your questioning, which can do no good either to you or anyone else.

We gratefully acknowledge this theft from THE LANCET.

Publishers : DAVID NUTT, London; G. B. STECHERT & Co., New York; FELIX ALCAN, Paris; AKAD. VERLAGSGESELLSCHAFT, Leipzig; NICOLA ZANICHELLI, Bologna; RUIZ HERMANOS, Madrid; FERNANDO MACHADO & C.IA., Porto; THE MARUZEN COMPANY, Tokyo.

“ SCIENTIA ” *INTERNATIONAL REVIEW OF SCIENTIFIC SYNTHESIS.*
Published every month (each containing 100 to 120 pages.)
Editors: F. BOTTAZZI, G. BRUNI, F. ENRIQUES.

IS THE ONLY REVIEW the contributors to which are really international.

IS THE ONLY REVIEW that has a really world-wide circulation.

IS THE ONLY REVIEW of scientific synthesis and unification that deals with the fundamental questions of all sciences: the history of the sciences, mathematics, astronomy, geology, physics, chemistry, biology, psychology, and sociology.

IS THE ONLY REVIEW, therefore, which, while immediately interesting students of biology and physiology, by its numerous and important articles and reports relating to these Sciences, presents them also the means of knowing, in a summary and synthetic form, the chief problems of all the other branches of knowledge.

IS THE ONLY REVIEW that among its contributors can boast of the most illustrious men of science in the whole world. A list of more than 350 of these is given in about each number.

The articles are published in the language of their authors, and every number has a *supplement containing the French translation of all the articles that are not French*. The review is thus completely accessible to those who know only French. (*Write for a free copy to the General Secretary of “Scientia,” Milan, sending 6d. in stamps of your country, merely to cover packing and postage.*)

SUBSCRIPTION: Sh. 40; \$10, post free.

OFFICE: Via A. De Togni 12, Milan (116).

General Secretary : DR. PAOLO BONETTI.

HEALTH AND EMPIRE

Journal of the British Social Hygiene Council, Inc.



CONTENTS FOR JUNE

I. EDITORIAL NOTES

II. ARTICLES

The Contribution of Psychology to Present-day Problems:

II. The Young Adult. Cyril Burt, D.Sc.

Notes of a Recent Visit to the Straits Settlements and the
Federated Malay Straits. A. Bostock Hill, M.Sc., M.D.

A Survey of Some Findings in Clinic Administration.
T. Ferguson, M.D., F.R.C.P.E., D.Ph.

Reports as to Venereal Diseases in Crown Colonies and
Protectorates. Douglas White, M.D.

The Selly Oak Conference

Co-Ordination of Infant Welfare and Venereal Disease
Work.

III. POINTS FOR SPEAKERS

IV. OFFICIAL PUBLICATIONS

V. REVIEWS OF BOOKS

VI. NOTES AND NEWS

VII. RECENT BOOK LIST

PUBLISHED QUARTERLY.

Price: 2s. 6d., or 10s. per annum, post free.

Intending Subscribers will receive a free specimen copy upon application to the B.S.H.C.

BRITISH SOCIAL HYGIENE COUNCIL, INC.

Carteret House, Carteret Street, London, S.W.1

PUBLICATIONS RECEIVED

Mention of books on this page does not preclude their further notice.

- Ayling, J. *The Retreat from Parenthood*. London, 1930. Kegan Paul. Pp. 287. Price 10s. 6d.
- Berry, C. S., and others. *Public Schools of Trenton, New Jersey*. 1929.
- Burns, C. Delisle. *An Introduction to the Social Sciences*. London, 1930. Allen and Unwin. Pp. 112. Price 3s. 6d. and 2s. 6d.
- Department of Industry and Commerce. *Census of Population, Vol. V, Pt. 1*. Dublin, 1929. Stationery Office. Price 2s. 3d.
- Doll, E. A., Ph.D. *Annual Report of the Department of Research, 1928-29*. (Reprinted from the *Training School Bulletin*, 1930.) Pp. 13.
- Doll, E. A., Ph.D. *The Special Class as a Clearing House*. (Reprinted from *Michigan Educational Journal*, 1928.) Pp. 2.
- Doll, E. A., Ph.D., and Murphy, D. P. *A Case of Microcephaly Following Embryonic Roentgen Irradiation*. (Reprint from *Proc. 53rd Ann. Sess. Amer. Ass. Study Feeble-Minded*.) P. 1.
- Dublin, L. I., and Lotka, A. J. *The Money Value of a Man*. New York, 1930. Ronald Press. Pp. 264. Price \$5.00.
- Earle, F. M., and Gaw, F. *The Measurement of Manual Dexterities*. London, 1930. Nat. Inst. Indust. Psych. Pp. 88. Price 5s.
- Eccles, A. K. *A Modification of the Vineland Adjustment Score Card*. (Reprint from *Training School Bulletin*, 1930.) Pp. 10.
- Griffiths, D. *Human Nature*. London, 1930. C. W. Daniel. Pp. 74. Price 2s. 6d.
- Hegge, T. G. *An Experiment in the Logical Memory of Sub-Normals*. (Reprint from *Training School Bulletin*, 1929.) P. 1.
- Himes, N. E. *Contraceptive Methods: The Types Recommended by Nine British Birth Control Clinics*. (Reprint from *New England Journal of Medicine*.) May, 1930.
- Johnson, R. H. (Editor). *Legislation*. (Reprint from *Eugenics*, 1930.) Pp. 4.
- Laughlin, H. H. *Legal Status of Eugenical Sterilization*. Pp. 83.
- Leunbach, J. H. *Birth Control, Abortion, and Sterilization*. London, 1930. Kegan Paul. Pp. 77. Price 2s. 6d.
- Londres, A. *The Road to Buenos Ayres*. London, 1930. (Second edition.) Constable. Price 3s. 6d.

A NEW QUARTERLY OF RESEARCH

PHYSIOLOGICAL ZOÖLOGY

Managing Editor: CHARLES MANNING CHILD

Editorial Board:

W. C. ALLEE M. F. GUYER L. V. HEILBRUNN E. E. JUST
F. R. LILLIE R. S. LILLIE W. W. SWINGLE C. V. TAYLOR

For the purposes of this journal, physiological zoölogy is interpreted to include the physiological aspects of all fields of zoölogy. Specifically, physiological zoölogy is regarded as comprising the physiology of embryonic and reconstitutive development and of relation to environment in general; physiology of the cell and of protoplasm; physiology of the nervous system and behavior; hormones and other features of chemical correlation; sex in its physiological aspects; and the physiological phases of genetics.

Published quarterly in January, April, July, and October.

Subscription, \$7.50 per year. Single copies, \$2.00.

Canadian postage, 15 cents, Foreign postage, 25 cents.

THE UNIVERSITY OF CHICAGO PRESS

Mayer, J. *Eugenics in Roman Catholic Literature.* (Reprint from *Eugenics*, 1930.) Pp. 11.

McCann, F. J. *Contraception A Common Cause of Disease.* London, 1930. Bale, Sons and Danielsson. Pp. 29. Price 1s.

Miller, J., and Dean, G. *Civil and Criminal Liability of Physicians for Sterilization Operations.* (Reprint from American Bar Assn. Journal, 1930.) Pp. 11.

National Council of Social Service. *Annual Report for 1928-29.* Pp. 37. Price 6d.

Niceforo, A. *Kultur und Fortschritte im Spiegel der Zahlen.* Leipzig, Prague, and Vienna, 1930. Strache. Pp. 224.

Popenoe, P. *How Can Colleges Prepare Their Students for Marriage and Parenthood?* (Reprint from *Journal of Home Economics.*) Pp. 10.

Radl, E. *The History of Biological Theories* (trans.). London, 1930. Oxford Univ. Press. Pp. 398. Price 17s. 6d.

Riley, G. L. *A Comparison of the P. C. and I. Q.* (Reprint from *Psychological Clinic*, 1930.) Pp. 5.

Savorgnan, F. *Nuovi Contributi Allo Studio dell' Attrazione Matrimoniale.* (Reprint from *Gior. deg. Econ. e Rivis. d. Stat.*, 1929.) Pp. 22.

Smith, G. Elliot. *Human History.* London, 1930. Jonathan Cape. Pp. 509.

(Continued on p. 161.)

Mother England

A CONTEMPORARY HISTORY

Edited by MARIE C. STOPES

"Rather awful—in the right sense."—*Arnold Bennett.*

"A terrible book . . . you are a brave woman."—*Robert Blatchford.*

"A most striking and useful book."—*H. G. Wells.*

"I congratulate you heartily on the great work you are doing."—*Sir William Arbuthnot Lane.*

"It is a book to read."—*Richard King* in "*The Tatler*."

"A more powerful comment on conditions prevailing among large numbers of the mothers of this country than any official reports or unofficial propaganda so far made available to the public."—*Yorkshire Post.*

Gold-tooled cover 10/6 net. Pp. viii + 206

A peculiar interest attaches to the two pages of items under "Doctor" and to "Maternal Mortality" in the Index.

CONTRACEPTION (Birth Control) The Standard Textbook.
2nd Edition. 15/-

JOHN BALE, SONS & DANIELSSON LTD.

83-91 Great Titchfield Street, London, W.1

BIRTH CONTROL

If you wish to be well informed as to the ECONOMIC, SOCIAL and POLITICAL aspects of Birth Control read the

NEW GENERATION

Editor : R. B. Kerr, M.A., LL.B.

It is the principal monthly Journal in Europe dealing with this important subject and is in close touch with every similar movement throughout the World.

"SAVE MOTHERS' LIVES"

See current issue. Specimen Copy on application to

THE PUBLISHER, 17/19 FINSBURY STREET, LONDON, E.C.2

STERILIZATION PROPOSALS



IN A PAMPHLET of 32 pages and costing only 6d., an expert committee of the Eugenics Society has compressed a summary of all that is certainly known of the inheritance of mental disease and of the possibility of reducing it by eugenic sterilization. Every aspect is included, and there is a bibliography with 71 references.

The Layman can read it easily, and it is essential for the Social Worker. It contains Proposals for a Sterilization Bill.



EUGENICS SOCIETY

OBJECTS:—I. Persistently to set forth the National Importance of Eugenics in order to modify public opinion, and create a sense of responsibility in the respect of bringing all matters pertaining to parent-hood under the domination of Eugenic ideals.

II. To spread a knowledge of the laws of heredity so far as they are surely known, and so far as that knowledge may affect the improvement of the race.

III. To further Eugenic Teaching, at home, in the schools, and elsewhere.

Applications for Fellowship and Membership should be addressed to the Secretary, Eugenics Society, 20, Grosvenor Gardens, London, S.W.1. Fellows, who are elected by the Council and vote on all matters concerning the constitution, pay one guinea per annum; Members pay ten shillings per annum. Both receive the **EUGENICS REVIEW** free, are entitled to attend lectures, discussions and general meetings, and have the use of the library.

Those who are not members can subscribe for the **EUGENICS REVIEW**. Communications regarding subscriptions to the **EUGENICS REVIEW** should be addressed to Messrs. Macmillan & Co. Ltd., St. Martin's Street, London, W.C.2.

Editorial communications and Books and Periodicals for review should be addressed to the Editor.

APPLICATION FORM

To the Council of the Eugenics Society

Gentlemen,

I desire to be admitted as a _____ of the
Eugenics Society, and I accordingly enclose £ _____ : _____
in payment of my annual subscription.* I hereby authorize you,
immediately upon my election, to enter my name in the Register in
accordance with the terms of the Memorandum and Articles of
Association.

Yours faithfully,

Signature

Address

* Fellowship, £1 1 0; Membership, 10/-; Composition for Life Fellowship, Ten guineas. The Secretary will be pleased to send a banker's order form—for regular payment—to any who prefer it.